

## ABSTRACT:

A pet tag (10) for locating lost pets, the tag comprising a housing containing an internal power supply and a micropower rf transmitter (26) to transmit a spread spectrum signal such as a Gold or Kasami coded signal; and an optional acoustic command receiver (20) to receive an acoustic command; and wherein the coded signal is transmitted in response to reception of an acoustic command.

A corresponding detector (1200) for locating a tagged pet comprises: a direct sequence spread spectrum (DSSS) receiver (1300) for receiving from the tag a spread spectrum signal based on a Gold or Kasami code; a first aerial (1206) coupled to the receiver; input means (1210) for user selection of a said Gold or Kasami code; and indicating means (1228) for indicating when a tag with the selected code is detected.

Figure 2.